

17414 U.S. PTO  
100303UTILITY  
PATENT APPLICATION  
TRANSMITTAL

(Only for new nonprovisional applications under 37 C.F.R. 1.53(b))

Attorney Docket No.	00-164.1
First Inventor	Gens
Title	Axial Piston Pump Barrel With A Cast High Pressure Collection Cavity
Express Mail Label No.	EL 995369835 US

APPLICATION ELEMENTS  
See MPEP chapter 600 concerning utility patent application contents.ADDRESS TO: Mail Stop Patent Application  
Commissioner for Patents  
P.O. Box 1450  
Alexandria VA 22313-1450

1. ☒ Fee Transmittal Form (e.g., PTO/SB/17)  
(Submit an original and a duplicate for fee processing)
2. ☐ Applicant claims small entity status.  
See 37 CFR 1.27.
3. ☒ Specification (Total Pages 12)  
(preferred arrangement set forth below)  
- Descriptive title of the invention  
- Cross Reference to Related Applications  
- Statement Regarding Fed sponsored R & D  
- Reference to sequence listing, a table, or a computer program listing appendix  
- Background of the invention  
- Brief Summary of the invention  
- Brief Description of the Drawings (if filed)  
- Detailed Description  
- Claim(s)  
- Abstract of the Disclosure
4. ☒ Drawing(s) (35 U.S.C. 113) (Total Sheets 5)
5. Oath or Declaration (Total Sheets 1)  
a. ☐ Newly executed (original or copy)  
b. ☒ Copy from a prior application (37 CFR 1.63 (d))  
(for a continuation/divisional with Box 18 completed)  
i. ☐ DELETION OF INVENTOR(S)  
Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).
6. ☐ Application Data Sheet. See 37 CFR 1.76

7. ☐ CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)
8. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)  
a. ☐ Computer Readable Form (CRF)  
b. Specification Sequence Listing on:  
i. ☐ CD-ROM or CD-R (2 copies); or  
ii. ☐ Paper  
c. ☐ Statements verifying identity of above copies

## ACCOMPANYING APPLICATIONS PARTS

9. ☐ Assignment Papers (cover sheet & document(s))
10. ☐ 37 C.F.R. 3.73(b) Statement ☐ Power of Attorney  
(when there is an assignee)
11. ☐ English Translation Document (if applicable)
12. ☒ Information Disclosure Statement (IDS)/PTO-1449 ☐ Copies of IDS Citations
13. ☒ Preliminary Amendment
14. ☒ Return Receipt Postcard (MPEP 503)  
(Should be specifically itemized)
15. ☐ Certified Copy of Priority Document(s)  
(if foreign priority is claimed)
16. ☐ Nonpublication Request under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.
17. ☐ Other:

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

☐ Continuation ☒ Divisional ☐ Continuation-in-part (CIP)of prior application No: 09 / 995,884Prior application information: Examiner GrayArt Unit: 3746

For CONTINUATION or DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

## 19. CORRESPONDENCE ADDRESS

☐ Customer NumberOR ☐ Correspondence address below

Name Michael B. McNeil

Address Liell &amp; McNeil Attorneys P.C.

P.O. Box 2417

City Bloomington

State

IN

Zip Code

47402

Country USA

Telephone

812-333-5355

Fax

812-333-3173

Name (Print/Type)

Michael B. McNeil

Registration No. (Attorney/Agent)

35,949

Signature

Date

10-03-03

This collection of information is required by 37 CFR 1.53(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

# FEE TRANSMITTAL for FY 2004

Effective 10/01/2003. Patent fees are subject to annual revision.

☐ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$) 770.00

Complete if Known	
Application Number	
Filing Date	
First Named Inventor	Gens
Examiner Name	
Art Unit	
Attorney Docket No.	00-164.1

METHOD OF PAYMENT (check all that apply)		FEE CALCULATION (continued)																																																																																																																																																																															
<input checked="" type="checkbox"/> Check <input type="checkbox"/> Credit card <input type="checkbox"/> Money Order <input type="checkbox"/> Other <input type="checkbox"/> None		<b>3. ADDITIONAL FEES</b>																																																																																																																																																																															
<input checked="" type="checkbox"/> Deposit Account: Deposit Account Number: 500226 Deposit Account Name:		<table border="1"> <thead> <tr> <th>Large Entity</th> <th>Small Entity</th> <th>Fee Code</th> <th>Fee (\$)</th> <th>Fee Description</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td>1051</td> <td>130</td> <td>2051 65</td> <td></td> </tr> <tr> <td></td> <td></td> <td>1052</td> <td>50</td> <td>2052 25</td> <td></td> </tr> <tr> <td></td> <td></td> <td>1053</td> <td>130</td> <td>1053 130</td> <td></td> </tr> <tr> <td></td> <td></td> <td>1812</td> <td>2,520</td> <td>1812 2,520</td> <td></td> </tr> <tr> <td></td> <td></td> <td>1804</td> <td>920*</td> <td>1804 920*</td> <td></td> </tr> <tr> <td></td> <td></td> <td>1805</td> <td>1,840*</td> <td>1805 1,840*</td> <td></td> </tr> <tr> <td></td> <td></td> <td>1251</td> <td>110</td> <td>2251 55</td> <td></td> </tr> <tr> <td></td> <td></td> <td>1252</td> <td>420</td> <td>2252 210</td> <td></td> </tr> <tr> <td></td> <td></td> <td>1253</td> <td>950</td> <td>2253 475</td> <td></td> </tr> <tr> <td></td> <td></td> <td>1254</td> <td>1,480</td> <td>2254 740</td> <td></td> </tr> <tr> <td></td> <td></td> <td>1255</td> <td>2,010</td> <td>2255 1,005</td> <td></td> </tr> <tr> <td></td> <td></td> <td>1401</td> <td>330</td> <td>2401 165</td> <td></td> </tr> <tr> <td></td> <td></td> <td>1402</td> <td>330</td> <td>2402 165</td> <td></td> </tr> <tr> <td></td> <td></td> <td>1403</td> <td>290</td> <td>2403 145</td> <td></td> </tr> <tr> <td></td> <td></td> <td>1451</td> <td>1,510</td> <td>1451 1,510</td> <td></td> </tr> <tr> <td></td> <td></td> <td>1452</td> <td>110</td> <td>2452 55</td> <td></td> </tr> <tr> <td></td> <td></td> <td>1453</td> <td>1,330</td> <td>2453 665</td> <td></td> </tr> <tr> <td></td> <td></td> <td>1501</td> <td>1,330</td> <td>2401 665</td> <td></td> </tr> <tr> <td></td> <td></td> <td>1502</td> <td>480</td> <td>2502 240</td> <td></td> </tr> <tr> <td></td> <td></td> <td>1503</td> <td>640</td> <td>2503 320</td> <td></td> </tr> <tr> <td></td> <td></td> <td>1460</td> <td>130</td> <td>1460 130</td> <td></td> </tr> <tr> <td></td> <td></td> <td>1807</td> <td>50</td> <td>1807 50</td> <td></td> </tr> <tr> <td></td> <td></td> <td>1806</td> <td>180</td> <td>1806 180</td> <td></td> </tr> <tr> <td></td> <td></td> <td>8021</td> <td>40</td> <td>8021 40</td> <td></td> </tr> <tr> <td></td> <td></td> <td>1809</td> <td>770</td> <td>2809 385</td> <td></td> </tr> <tr> <td></td> <td></td> <td>1810</td> <td>770</td> <td>2810 385</td> <td></td> </tr> <tr> <td></td> <td></td> <td>1801</td> <td>770</td> <td>2801 385</td> <td></td> </tr> <tr> <td></td> <td></td> <td>1802</td> <td>900</td> <td>1802 900</td> <td></td> </tr> </tbody> </table>		Large Entity	Small Entity	Fee Code	Fee (\$)	Fee Description	Fee Paid			1051	130	2051 65				1052	50	2052 25				1053	130	1053 130				1812	2,520	1812 2,520				1804	920*	1804 920*				1805	1,840*	1805 1,840*				1251	110	2251 55				1252	420	2252 210				1253	950	2253 475				1254	1,480	2254 740				1255	2,010	2255 1,005				1401	330	2401 165				1402	330	2402 165				1403	290	2403 145				1451	1,510	1451 1,510				1452	110	2452 55				1453	1,330	2453 665				1501	1,330	2401 665				1502	480	2502 240				1503	640	2503 320				1460	130	1460 130				1807	50	1807 50				1806	180	1806 180				8021	40	8021 40				1809	770	2809 385				1810	770	2810 385				1801	770	2801 385				1802	900	1802 900	
Large Entity	Small Entity	Fee Code	Fee (\$)	Fee Description	Fee Paid																																																																																																																																																																												
		1051	130	2051 65																																																																																																																																																																													
		1052	50	2052 25																																																																																																																																																																													
		1053	130	1053 130																																																																																																																																																																													
		1812	2,520	1812 2,520																																																																																																																																																																													
		1804	920*	1804 920*																																																																																																																																																																													
		1805	1,840*	1805 1,840*																																																																																																																																																																													
		1251	110	2251 55																																																																																																																																																																													
		1252	420	2252 210																																																																																																																																																																													
		1253	950	2253 475																																																																																																																																																																													
		1254	1,480	2254 740																																																																																																																																																																													
		1255	2,010	2255 1,005																																																																																																																																																																													
		1401	330	2401 165																																																																																																																																																																													
		1402	330	2402 165																																																																																																																																																																													
		1403	290	2403 145																																																																																																																																																																													
		1451	1,510	1451 1,510																																																																																																																																																																													
		1452	110	2452 55																																																																																																																																																																													
		1453	1,330	2453 665																																																																																																																																																																													
		1501	1,330	2401 665																																																																																																																																																																													
		1502	480	2502 240																																																																																																																																																																													
		1503	640	2503 320																																																																																																																																																																													
		1460	130	1460 130																																																																																																																																																																													
		1807	50	1807 50																																																																																																																																																																													
		1806	180	1806 180																																																																																																																																																																													
		8021	40	8021 40																																																																																																																																																																													
		1809	770	2809 385																																																																																																																																																																													
		1810	770	2810 385																																																																																																																																																																													
		1801	770	2801 385																																																																																																																																																																													
		1802	900	1802 900																																																																																																																																																																													
<b>1. BASIC FILING FEE</b> <table border="1"> <thead> <tr> <th>Large Entity</th> <th>Small Entity</th> <th>Fee Code</th> <th>Fee (\$)</th> <th>Fee Description</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td>1001</td> <td>770</td> <td>2001 385</td> <td></td> </tr> <tr> <td></td> <td></td> <td>1002</td> <td>340</td> <td>2002 170</td> <td></td> </tr> <tr> <td></td> <td></td> <td>1003</td> <td>530</td> <td>2003 265</td> <td></td> </tr> <tr> <td></td> <td></td> <td>1004</td> <td>770</td> <td>2004 385</td> <td></td> </tr> <tr> <td></td> <td></td> <td>1005</td> <td>160</td> <td>2005 80</td> <td></td> </tr> </tbody> </table>		Large Entity	Small Entity	Fee Code	Fee (\$)	Fee Description	Fee Paid			1001	770	2001 385				1002	340	2002 170				1003	530	2003 265				1004	770	2004 385				1005	160	2005 80		SUBTOTAL (1) (\$) 0																																																																																																																																											
Large Entity	Small Entity	Fee Code	Fee (\$)	Fee Description	Fee Paid																																																																																																																																																																												
		1001	770	2001 385																																																																																																																																																																													
		1002	340	2002 170																																																																																																																																																																													
		1003	530	2003 265																																																																																																																																																																													
		1004	770	2004 385																																																																																																																																																																													
		1005	160	2005 80																																																																																																																																																																													
<b>2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE</b> <table border="1"> <thead> <tr> <th>Large Entity</th> <th>Small Entity</th> <th>Fee Code</th> <th>Fee (\$)</th> <th>Fee Description</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td>1202</td> <td>18</td> <td>2202 9</td> <td></td> </tr> <tr> <td></td> <td></td> <td>1201</td> <td>86</td> <td>2201 43</td> <td></td> </tr> <tr> <td></td> <td></td> <td>1203</td> <td>290</td> <td>2203 145</td> <td></td> </tr> <tr> <td></td> <td></td> <td>1204</td> <td>86</td> <td>2204 43</td> <td></td> </tr> <tr> <td></td> <td></td> <td>1205</td> <td>18</td> <td>2205 9</td> <td></td> </tr> </tbody> </table>		Large Entity	Small Entity	Fee Code	Fee (\$)	Fee Description	Fee Paid			1202	18	2202 9				1201	86	2201 43				1203	290	2203 145				1204	86	2204 43				1205	18	2205 9		SUBTOTAL (2) (\$) 770.00																																																																																																																																											
Large Entity	Small Entity	Fee Code	Fee (\$)	Fee Description	Fee Paid																																																																																																																																																																												
		1202	18	2202 9																																																																																																																																																																													
		1201	86	2201 43																																																																																																																																																																													
		1203	290	2203 145																																																																																																																																																																													
		1204	86	2204 43																																																																																																																																																																													
		1205	18	2205 9																																																																																																																																																																													
**or number previously paid, if greater; For Reissues, see above		*Reduced by Basic Filing Fee Paid      SUBTOTAL (3) (\$) 0																																																																																																																																																																															

SUBMITTED BY		Complete (if applicable)	
Name (Print/Type)	Michael B. McNeil	Registration No. (Attorney/Agent)	35,949
Signature		Telephone	812-333-5355
		Date	10-03-03

**WARNING:** Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing this form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.